

Fig. 1

- [-] Welcome To ADC Division 17 Tools
- [-] ADC Division 17 Tools
  - [+] R14 Menu Group Installation
  - [+] R14 Pull-down Menus
  - [+] LT 97 Menu Group Installation
  - [+] LT 97 Pull-down Menus
  - [+] ADC AutoCAD Tools
  - [+] ADC Estimating Tools
  - [+] ADC Specification tools
- [+] Division 17
  - [+] Technology Drawings
    - [+] "T" Series Overview
    - [+] A1 Drawing
      - [+] About A1 .dwg
    - [+] T1 Drawing
      - [+] About T1 .dwg
    - [+] T2 Drawing
      - [+] About T2 .dwg
    - [+] T3 Drawing
      - [+] About T3 .dwg
  - [+] Equipment Rooms
    - [+] About Equipment Rooms
  - [+] Telecommunication Rooms
    - [+] About Telecommunication Rooms

## About A1 .dwg

An A1 is the complete layout of a building exterior. The drawing indicates interior walls from floor to ceiling including doors, room numbers, interior glass, and staircases. A completed A1 drawing will show the architectural floor plan of a building per floor. An A1 drawing is also needed to complete a T1 drawing.

### Example:

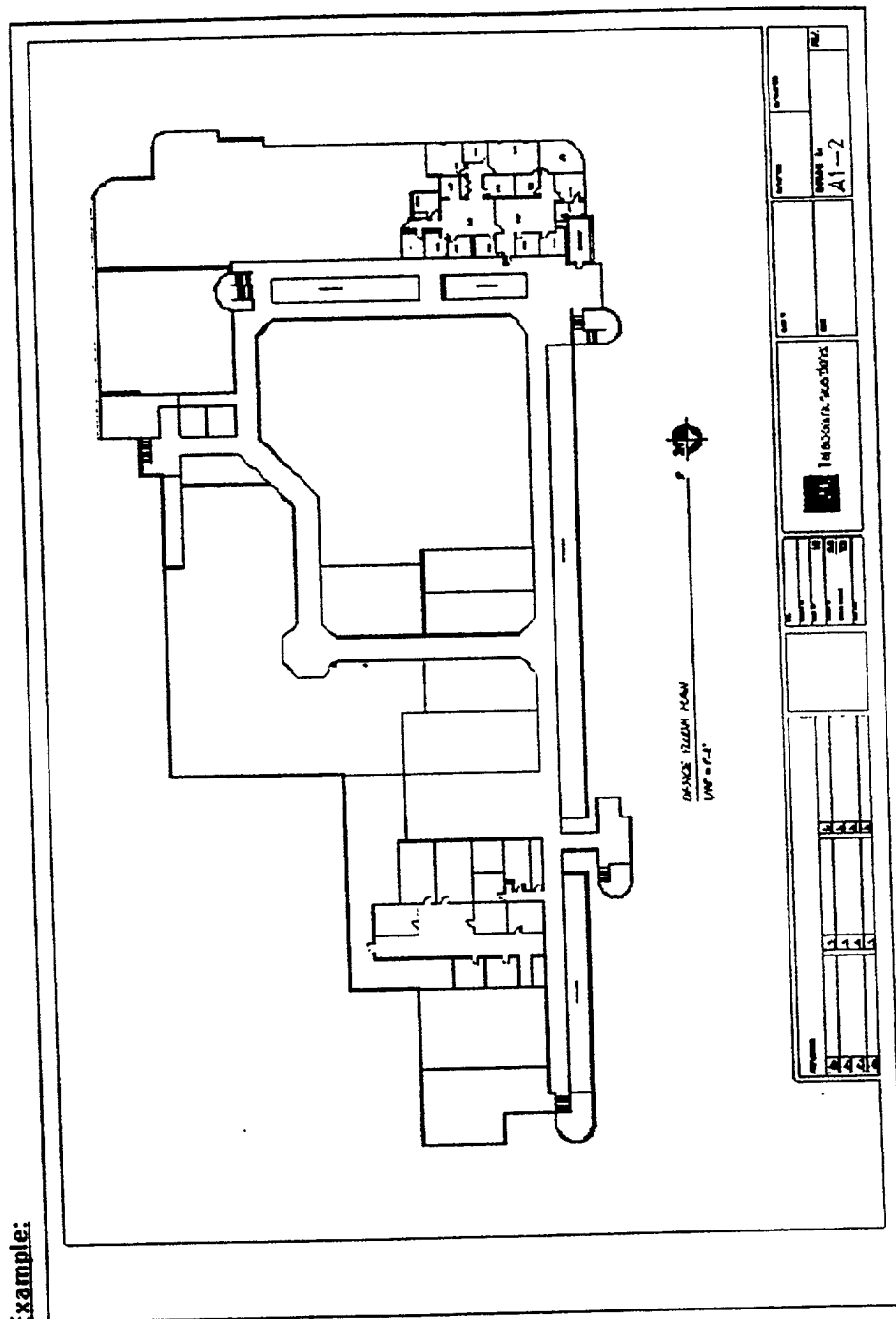


Fig. 2

- [-] Welcome To ADC Division 17 Tools
- [-] ADC Division 17 Tools
  - [+] R14 Menu Group Installation
  - [+] R14 Pull-down Menus
  - [+] LT 97 Menu Group Installation
  - [+] LT 97 Pull-down Menus
  - [+] ADC AutoCAD Tools
  - [+] ADC Estimating Tools
  - [+] ADC Specification tools
- [-] Division 17
  - [+] Technology Drawings
    - [+] "T" Series Overview
    - [+] A1 Drawing
    - [+] About A1 .dwg
    - [+] T1 Drawing
    - [+] About T1 .dwg
    - [+] T2 Drawing
    - [+] About T2 .dwg
    - [+] T3 Drawing
    - [+] About T3 .dwg
  - [+] Equipment Rooms
    - [+] About Equipment Rooms
  - [+] Telecommunication Rooms
    - [+] About Telecommunication Rooms

### About T1 .dwg

Layout of complete building per floor. The drawing indicates location of serving zones, Equipment Room locations, access points, pathways and other systems that need to be viewed from the complete building perspective.

#### Example:

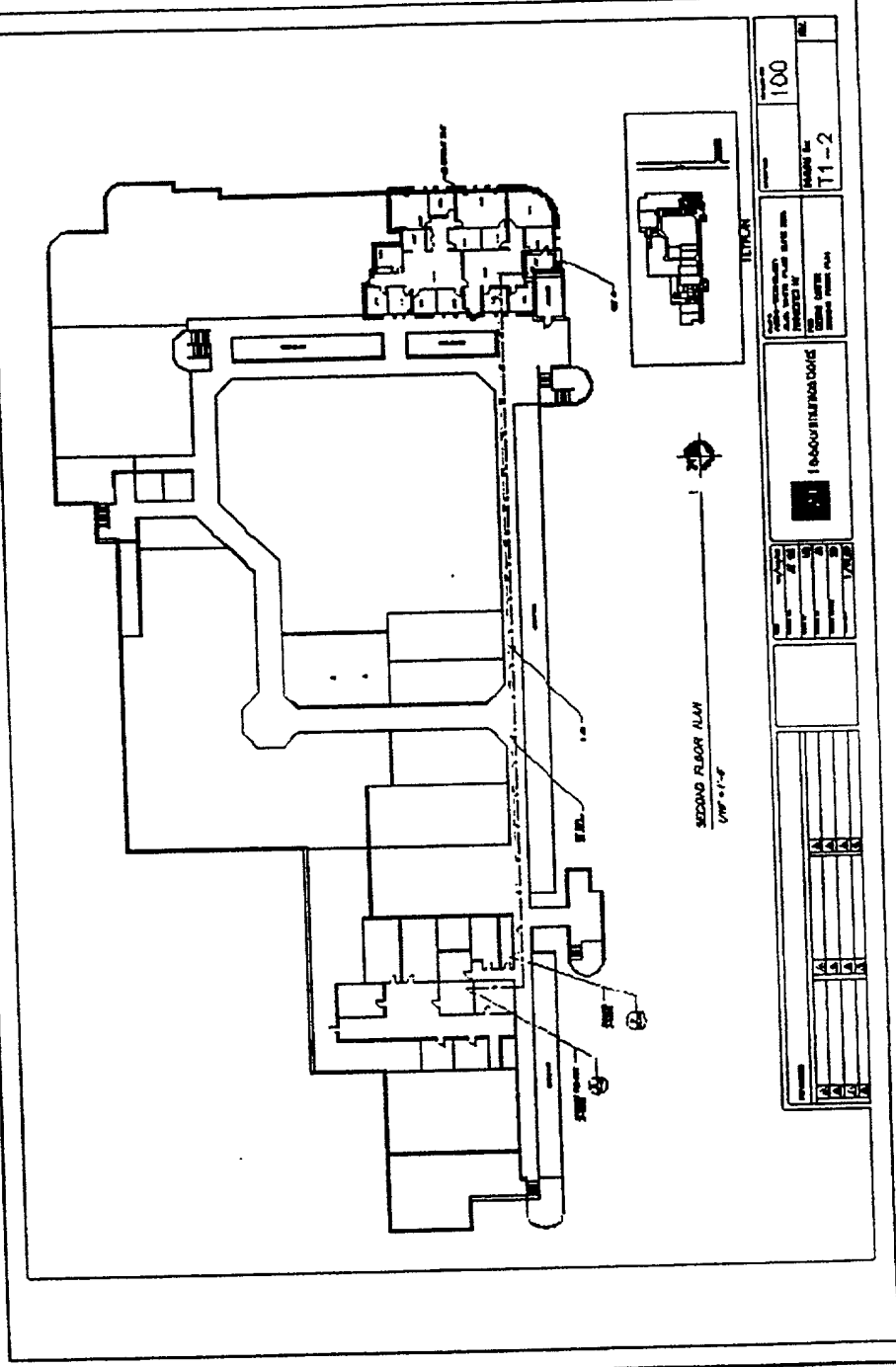


FIG. 3



File Edit Background Options Help

Help Topics Back Print << >> ActiveEdit gHelp

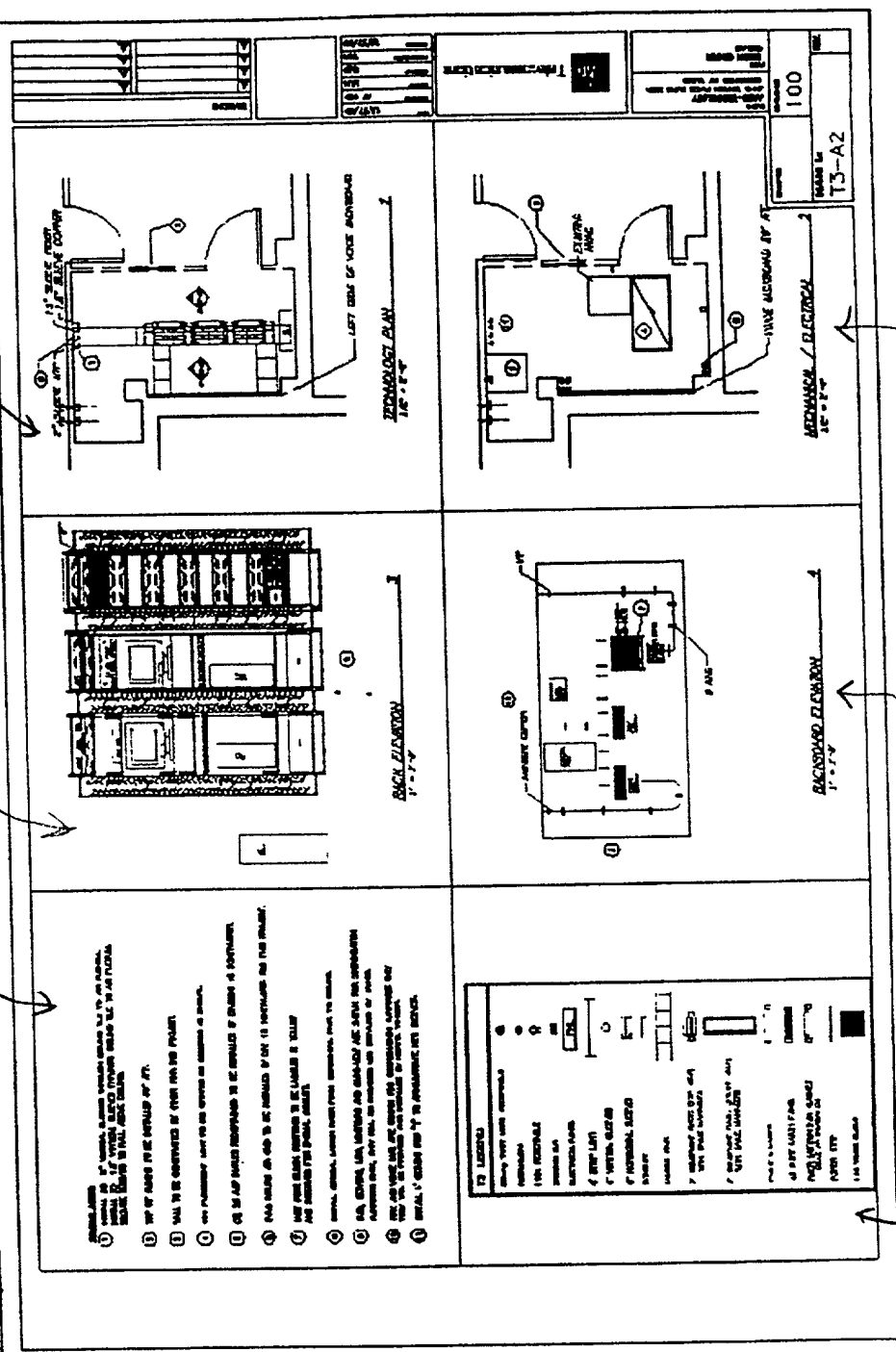
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About T3.dwg

Detailed look at a Equipment Rooms. Drawing indicates technology layout (racks, ladder racks, etc.), mechanical/electrical layout, rack elevation and backboard elevation. May also be an enlargement of a congested area of T1 or T2.

Example:



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- [-] Welcome To ADC Division 17 Tools
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      - [+] About\_T3\_dwg
    - [+] Equipment Rooms
      - [+] About Equipment Rooms
      - [+] Telecommunication Rooms
      - [+] About Telecommunication Rooms

### About Equipment Rooms

A centralized space for telecommunications equipment that serves the occupants of a building. Equipment housed therein is considered distinct from a telecommunications room because of its nature of complexity.

#### Example:

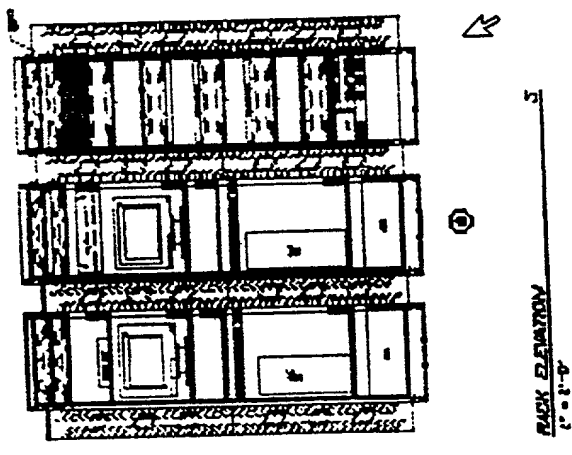


FIG. 6

- [-] Welcome To ADC Division 17 Tools
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    - [+] T2 Drawing
    - [+] About T2 .dwg
    - [+] T3 Drawing
    - [+] About T3 .dwg
  - [+] Equipment Rooms
    - [+] About Equipment Rooms
  - [+] Telecommunication Rooms
    - [+] About Telecommunication Rooms

## About Telecommunication Rooms

An enclosed space for housing telecommunications equipment, cable terminations, and cross-connects. The room is the recognized cross-connect between the backbone cable and horizontal cabling.

### Example:

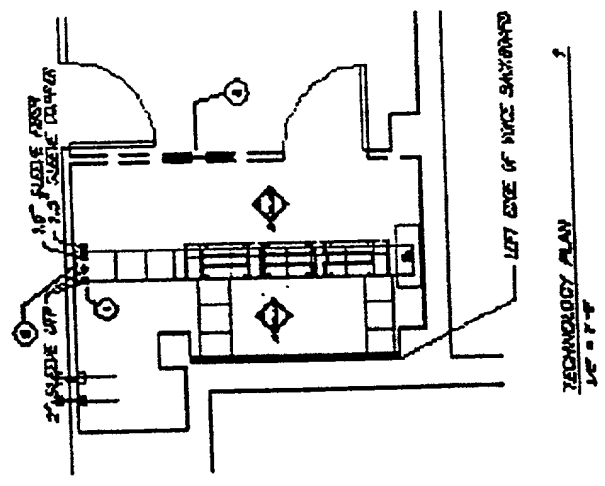


FIG. 7

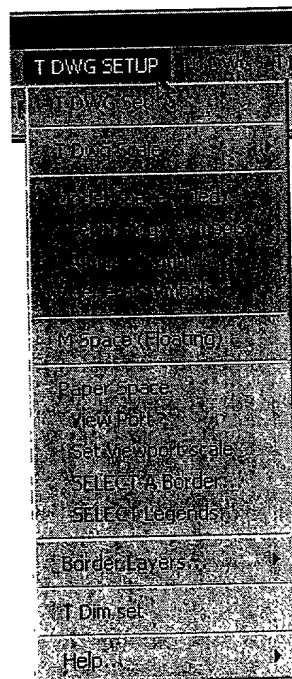
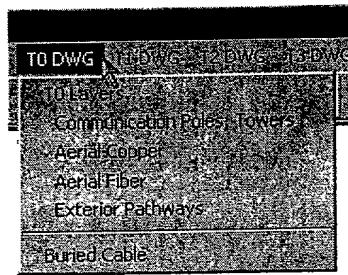


Figure 8 T DWG Setup Menu





**Figure 9 . TO Menu**

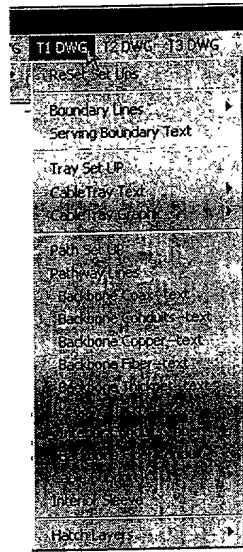


Figure 10\ T1 Menu

## 4.4 T2 Menu Commands

This section details the available menu commands associated with T2 drawings. Select **T2 DWG** from the menu (Figure 40) to access these commands.

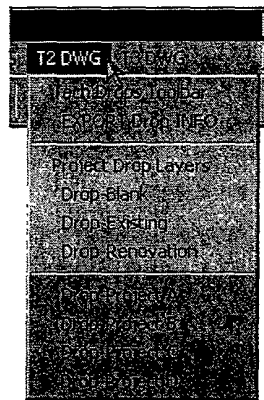


Figure 40. T2 Menu



[illegible]

Figure 13 'TAG' Toolbar

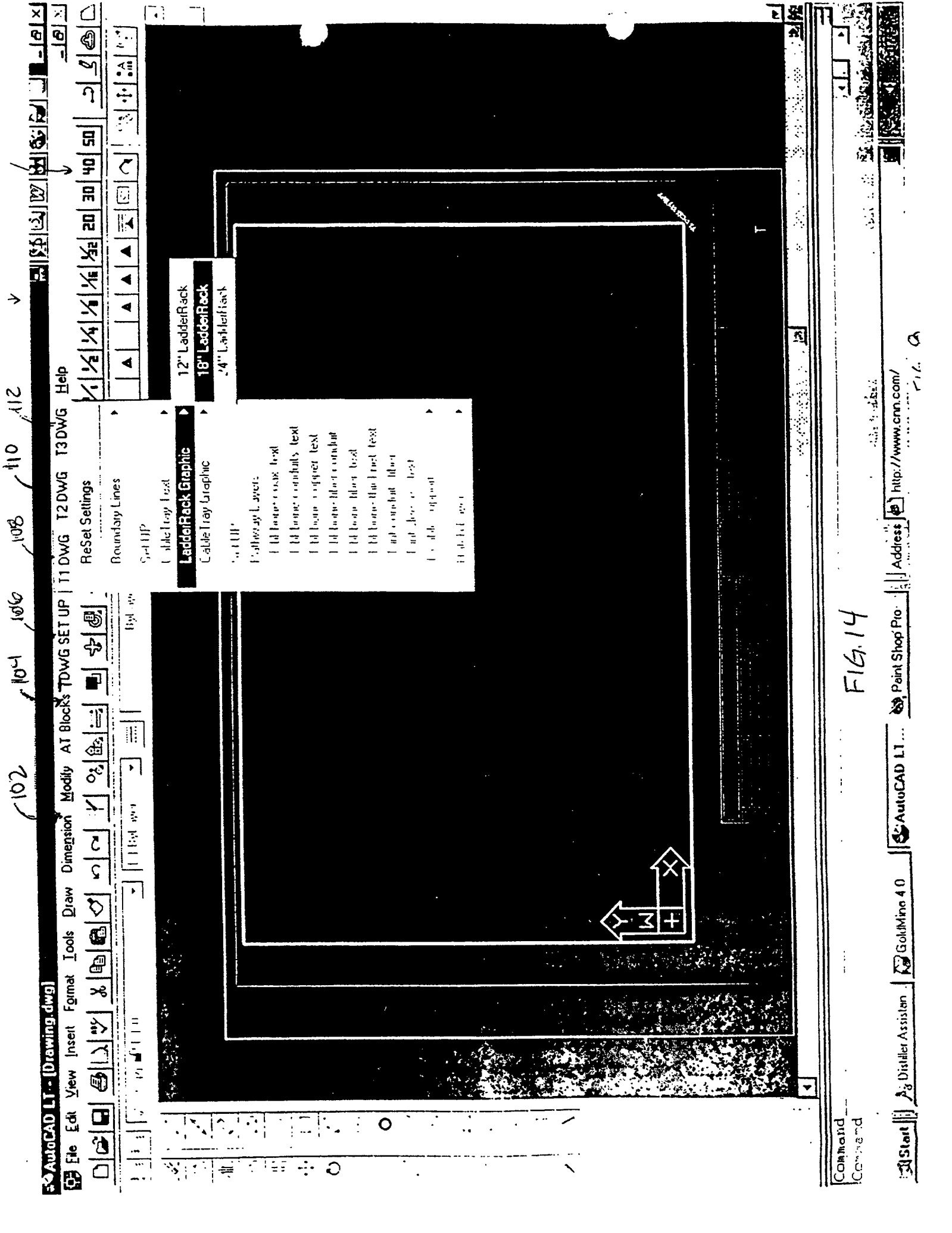


FIG. 14

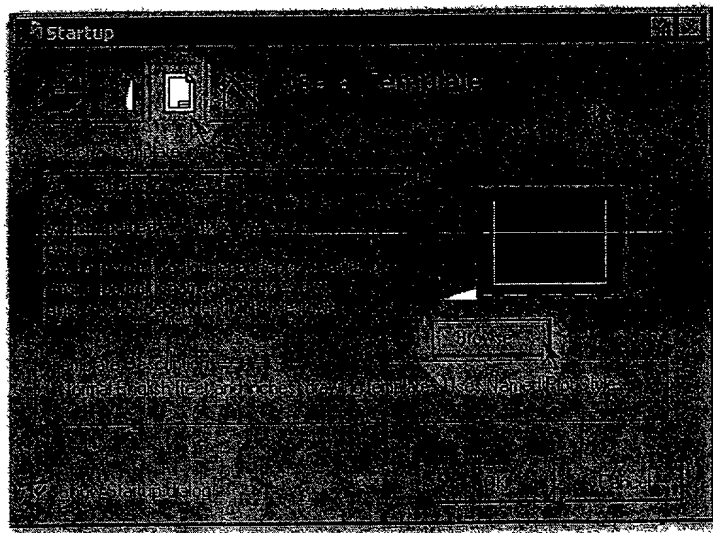


Figure 15 AutoCAD Startup Dialog (Version LT 2000)

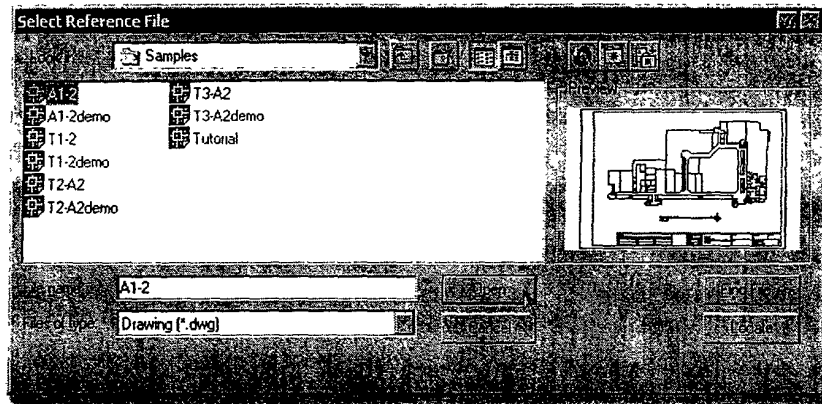


Figure 16 'Select Reference File' Dialog

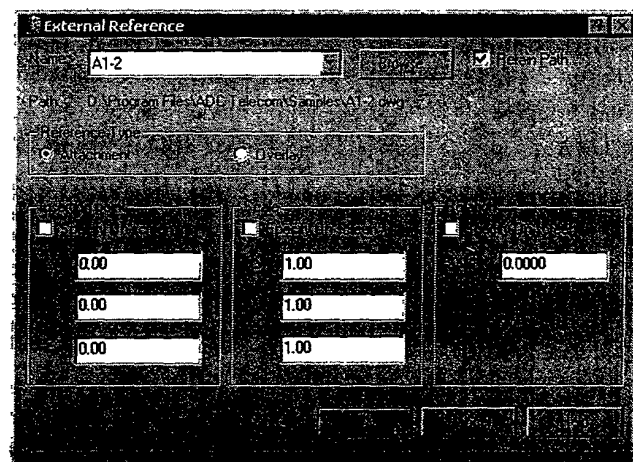


Figure 17. External Reference Dialog



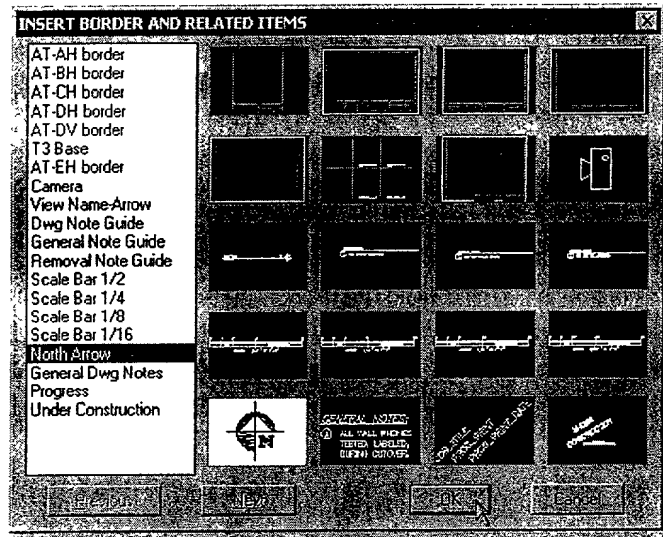


Figure 18 Inserting a Border/Related Item

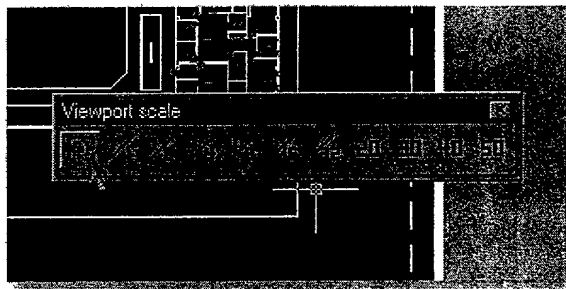


Figure 19 Viewport Scale Toolbar

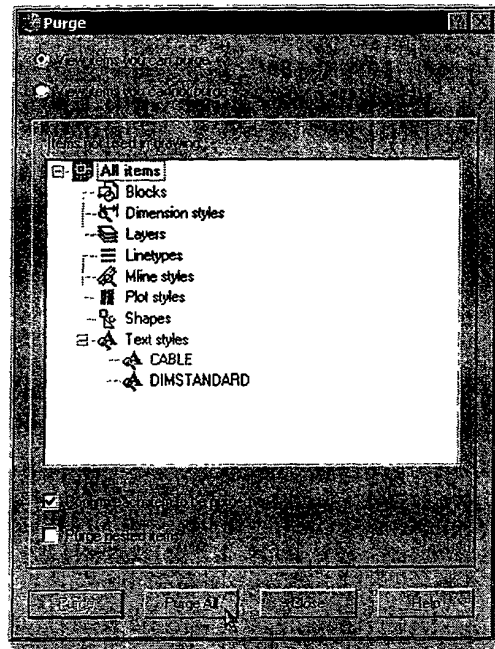


Figure 20 'Purge' Dialog

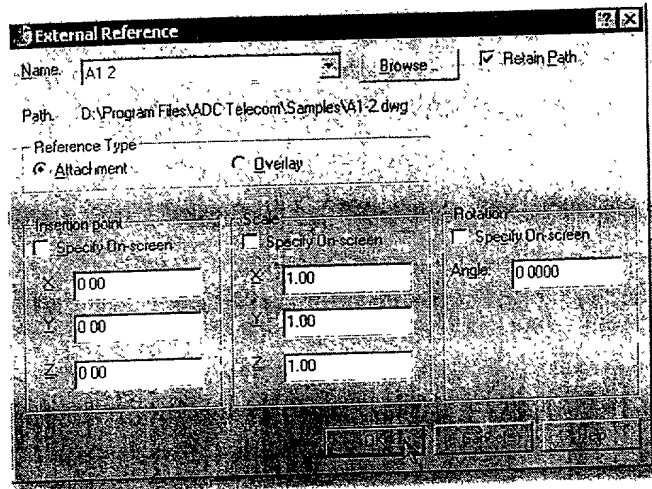


Figure 2. External Reference Dialog

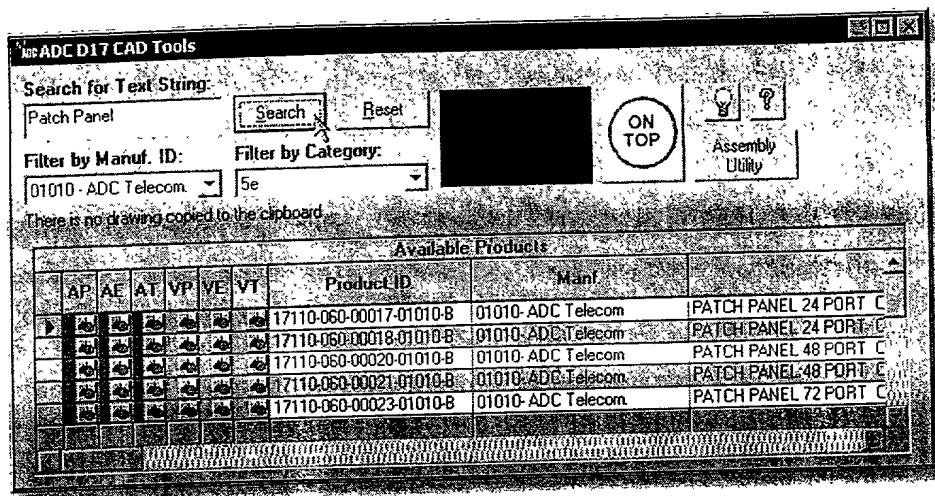


Figure 22 Performing a Search with the CAD Utility

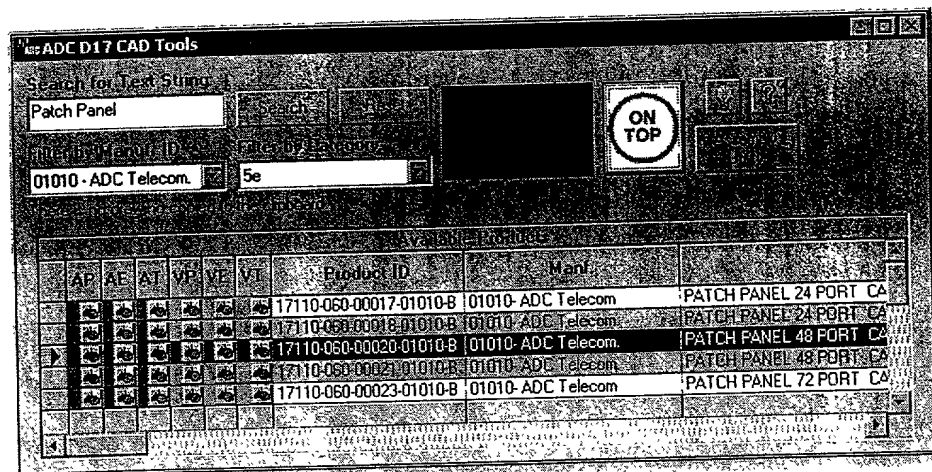


Figure 23 Highlighted Row

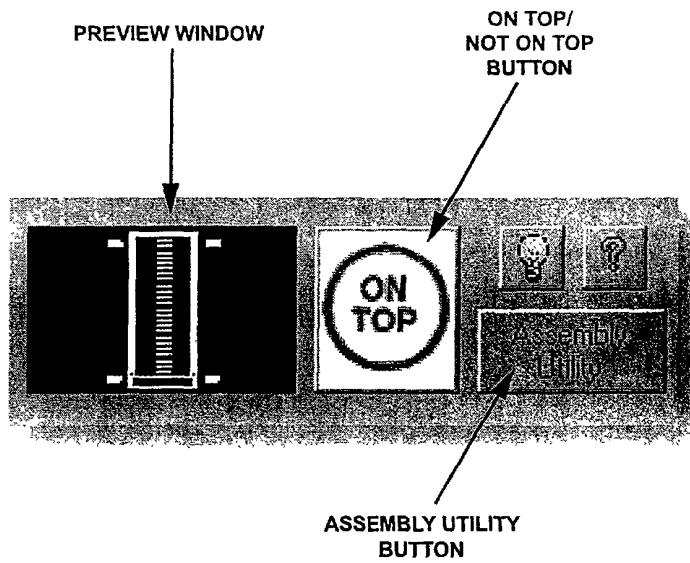


Figure 24 CAD Utility Detail

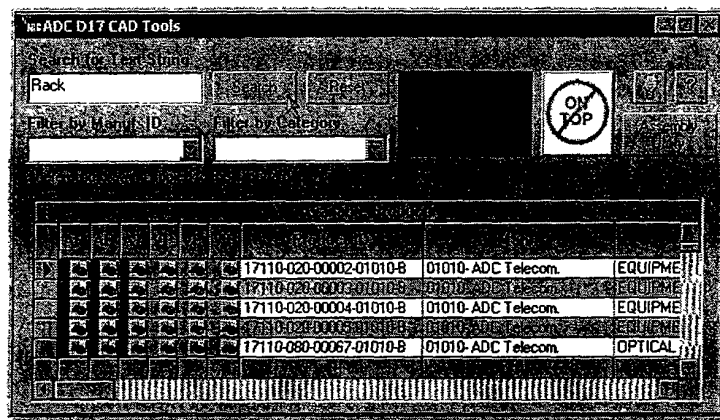


Figure 25 D17 CAD Tool Dialog

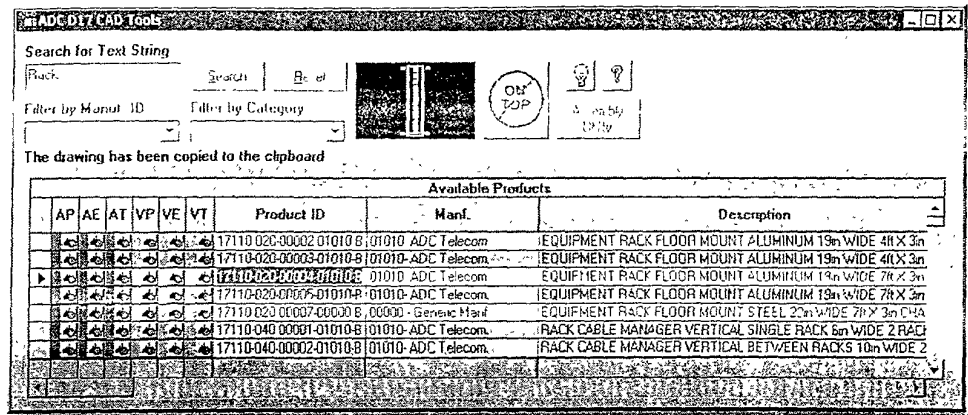


Figure 26 Selecting Equipment in the CAD Tool (Relevant Areas are Highlighted)

Block name: E17110-020-00004-01010-B

Rm No or MLC: R09

Location: TC1

Unique ID: Rack

Drafted Date: 3/1/00

Project Number: A1

Project Revision Letter: a

Buttons: OK, Cancel, Help

Figure 27 Rack Attributes

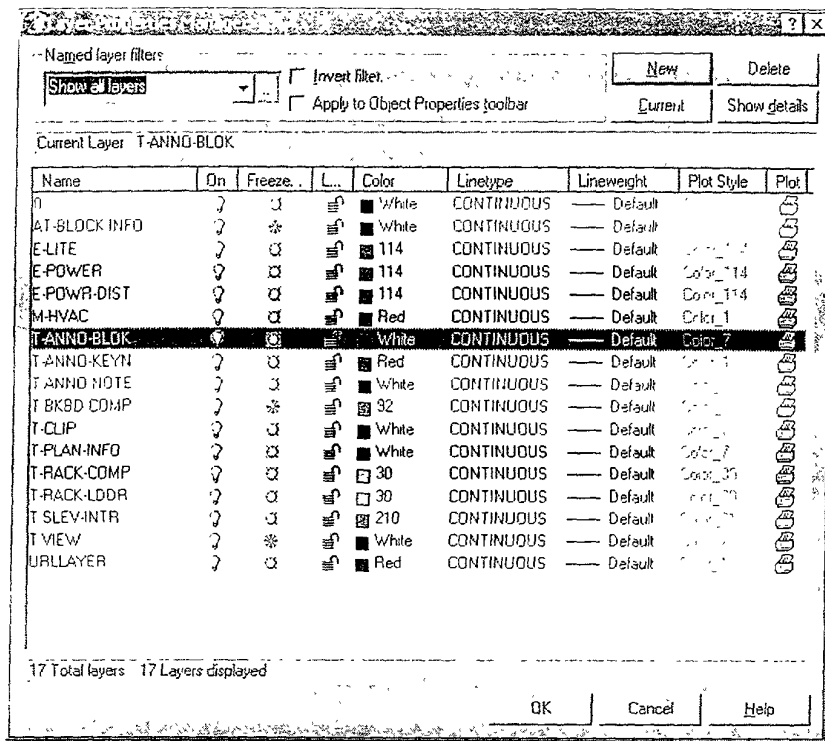


Figure 28 Layer Properties Manager



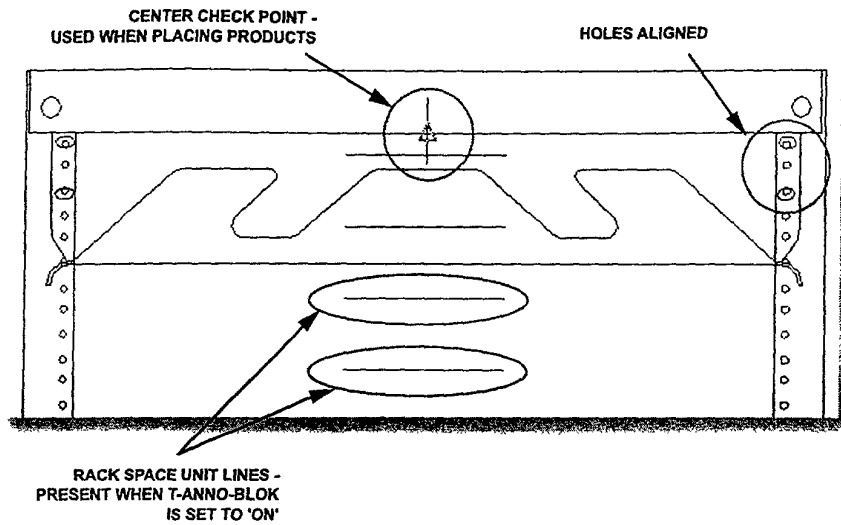


Figure 29. Drawing Detail

Enter Attributes

Block name: E17110-040-00010-01010-B

Rm No or MLC: R09

Location: TC1

Unit ID: Trough

Installation Date: 1/11/01

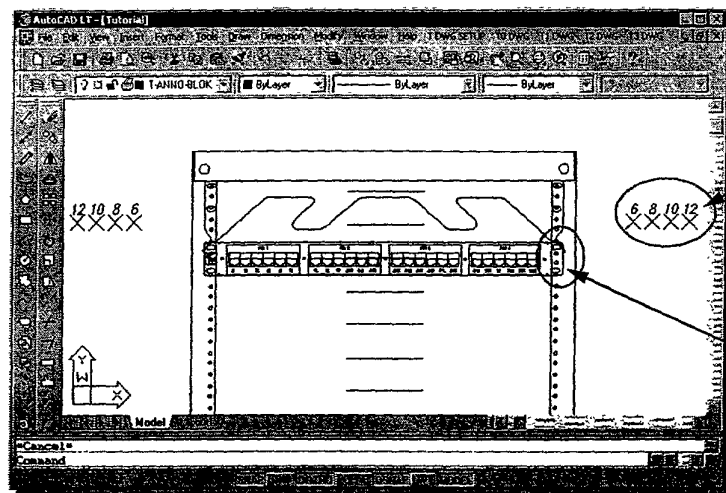
Product Number: A1

Product Description: a

Buttons: Previous, Next, OK, Cancel

The screenshot shows a software window titled 'Enter Attributes'. It contains several input fields with labels on the left and values on the right. The labels are: 'Block name', 'Rm No or MLC', 'Location', 'Unit ID', 'Installation Date', 'Product Number', and 'Product Description'. The values are: 'E17110-040-00010-01010-B', 'R09', 'TC1', 'Trough', '1/11/01', 'A1', and 'a'. At the bottom, there are four buttons: 'Previous', 'Next', 'OK', and 'Cancel'.

Figure 30. Trough Attributes



CROSSHAIRS -  
USED FOR THE PLACEMENT  
OF CABLE MANAGEMENT  
PRODUCTS ON A RACK

ZOOM IN TO SEE ALIGNED  
HOLES

Figure 31. Drawing Detail

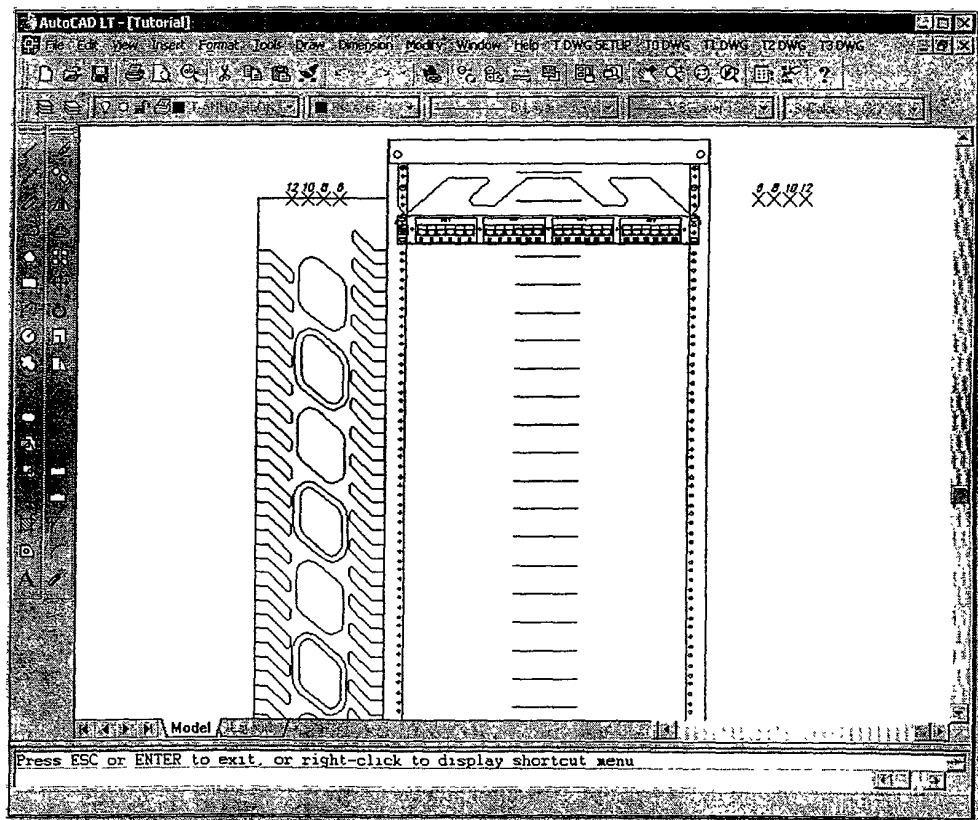


Figure 32 Completed Drawing

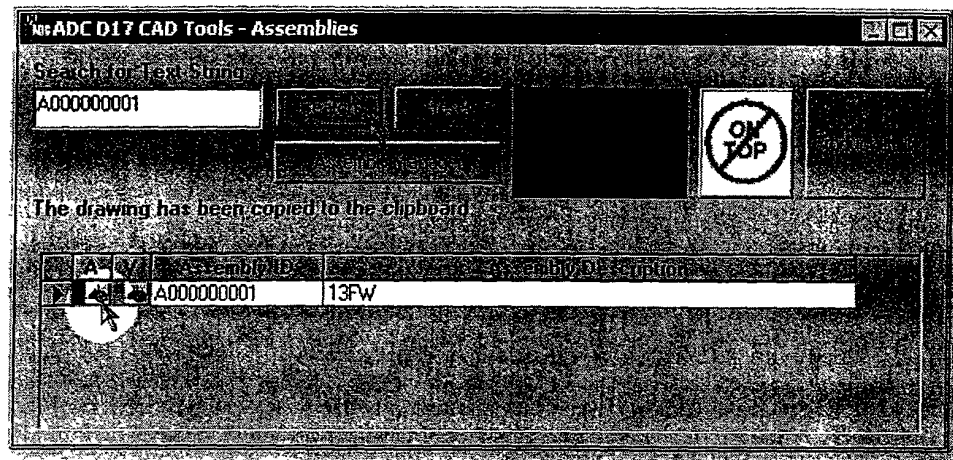


Figure 33 Assembly Utility



**Product Selector**

Filter by Manufacturer ID:  Filter by Category:

Search for Test Stump:

Available Products		
Product ID	Manf	Description
17110-060-00017-01010-B	01010-ADC Telecom	PATCH PANEL 24 PORT CAT 5E RJ45 T568A FOUR 6 PORT ANGLED
17110-060-00018-01010-B	01010-ADC Telecom	PATCH PANEL 24 PORT CAT 5E RJ45 T568A FOUR 6 PORT FLAT
17110-060-00019-01010-B	01010-ADC Telecom	PATCH PANEL 18 PORT CAT 5E RJ45 T568A FOUR 6 PORT ANGLED
17110-060-00021-01010-B	01010-ADC Telecom	PATCH PANEL 48 PORT CAT 5E RJ45 T568A FOUR 6 PORT FLAT
17110-060-00023-01010-B	01010-ADC Telecom	PATCH PANEL 72 PORT CAT 5E RJ45 T568A FOUR 6 PORT ANGLED
17110-060-00025-01010-B	01010-ADC Telecom	PATCH PANEL 96 PORT CAT 5E RJ45 T568A FOUR 6 PORT ANGLED
17110-060-00026-01010-B	01010-ADC Telecom	PATCH PANEL 96 PORT CAT 5E RJ45 T568A FOUR 6 PORT FLAT
17110-060-00029-01010-B	01010-ADC Telecom	PATCH PANEL 24 PORT CAT 5E RJ45 T568B FOUR 6 PORT ANGLED
17110-060-00030-01010-B	01010-ADC Telecom	PATCH PANEL 24 PORT CAT 5E RJ45 T568B FOUR 6 PORT FLAT
17110-060-00032-01010-B	01010-ADC Telecom	PATCH PANEL 48 PORT CAT 5E RJ45 T568B FOUR 6 PORT ANGLED
17110-060-00033-01010-B	01010-ADC Telecom	PATCH PANEL 48 PORT CAT 5E RJ45 T568B FOUR 6 PORT FLAT
17110-060-00035-01010-B	01010-ADC Telecom	PATCH PANEL 72 PORT CAT 5E RJ45 T568B FOUR 6 PORT ANGLED
17110-060-00037-01010-B	01010-ADC Telecom	PATCH PANEL 96 PORT CAT 5E RJ45 T568B FOUR 6 PORT ANGLED
17110-060-00038-01010-B	01010-ADC Telecom	PATCH PANEL 96 PORT CAT 5E RJ45 T568B FOUR 6 PORT FLAT
17110-060-00081-01010-B	01010-ADC Telecom	PATCH PANEL 32 PORT CAT 5E RJ45 T568A FLAT INSERTS BLACK
17110-100-00001-01010-B	01010-ADC Telecom	TERMINATION BLOCKS 110 WIRING 5E 100 PAIR WITHOUT LEGS

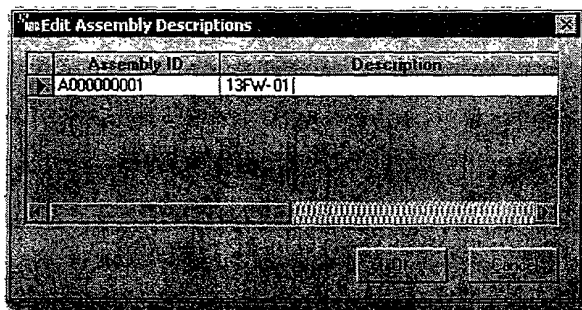


Figure 37. Edit Assembly Descriptions Dialog

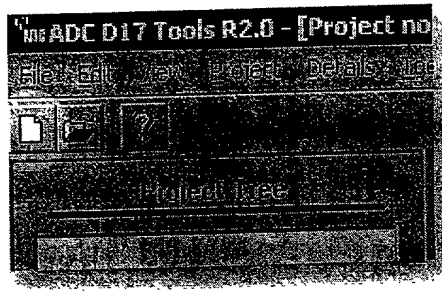


Figure 38. 'New Project' Icon

 A screenshot of a dialog box titled "Project Information". The dialog box contains several input fields and labels arranged in two columns. The left column has labels "Project Number", "Project Title", "Project Version", and "Currency Exchange Rate" above their respective input fields. The right column has labels "Category", "Overhead and Profit %", and "Regional Labor %" above their respective input fields. There is a "Cancel" button and a question mark icon at the bottom right of the dialog box.

Figure 39. 'Project Information' Dialog



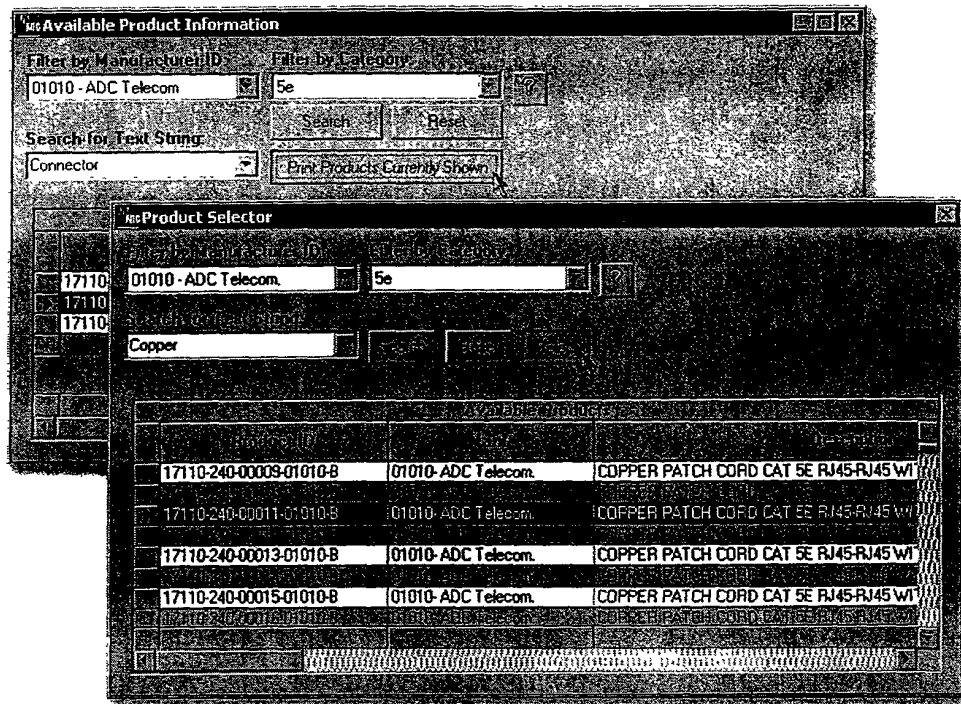


Figure 40. Product Selector/Available Product Dialogs

Preview of Product List

Product Name	Product ID	Product Description	Product Price
ADC D17 ToolsProduct list	10000001	ADC D17 ToolsProduct list	\$10.00
ADC D17 ToolsProduct list	10000002	ADC D17 ToolsProduct list	\$10.00
ADC D17 ToolsProduct list	10000003	ADC D17 ToolsProduct list	\$10.00

### Figure 4f. Product Preview List

EDIT THE PRICE OF  
THE SELECTED  
EQUIPMENT

EDIT CREW  
HOURS

Available Products			
Furnished Price	Crew #	Crew Hours	Hyperlink (Click Red Icon)
\$5.80	2	0	<a href="http://stele.adc.com/">http://stele.adc.com/</a>
\$7.10	1	0	<a href="http://stele.adc.com/">http://stele.adc.com/</a>

SELECT CREW

CLICK THE ICON TO  
VIEW PRODUCT INFORMATION  
FROM THE INTERNET

Figure 42. Product List Detail

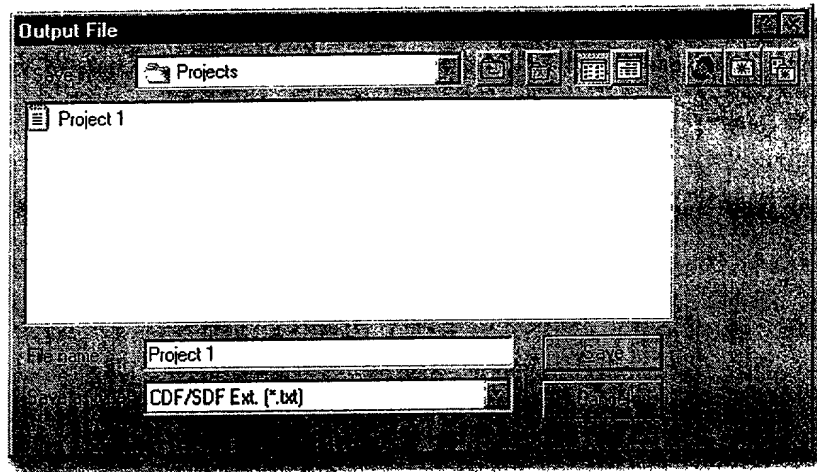


Figure 43. Selecting Output Text File Location

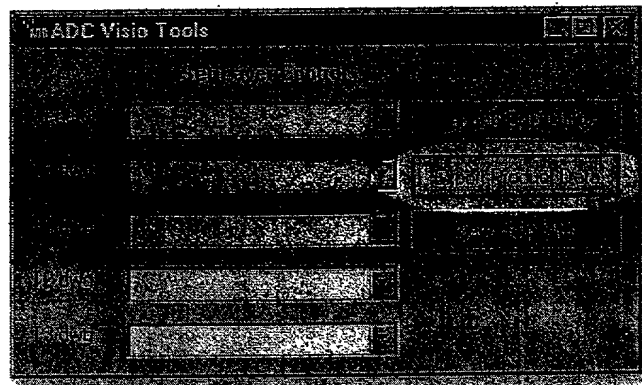


Figure 44. Visio Tools 'Export' Button

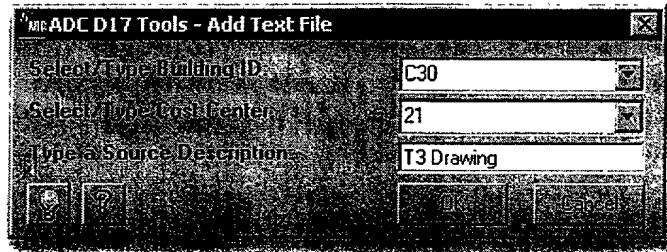


Figure 45. 'Add Text File' Dialog



Figure 46. Text File Added to Project Tree



Figure 47 Paths Displayed in the Project Window

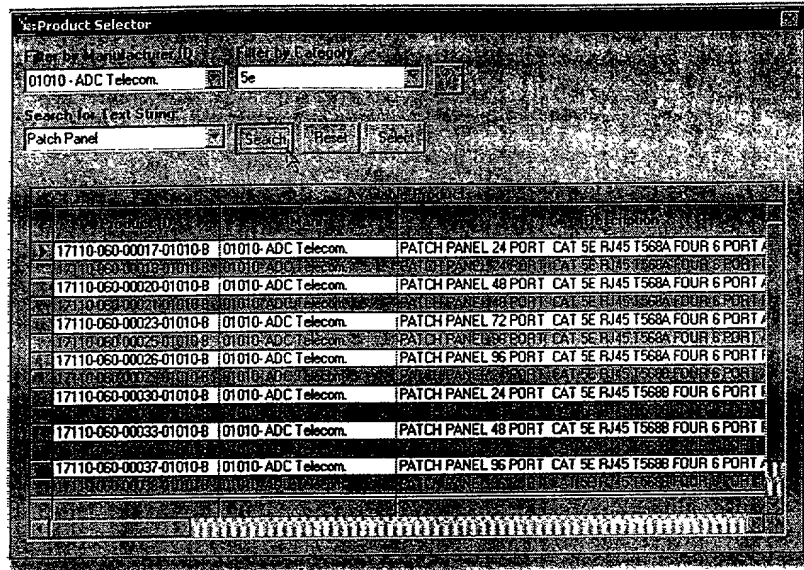


Figure 48. Searching for Products Using the Product Selector

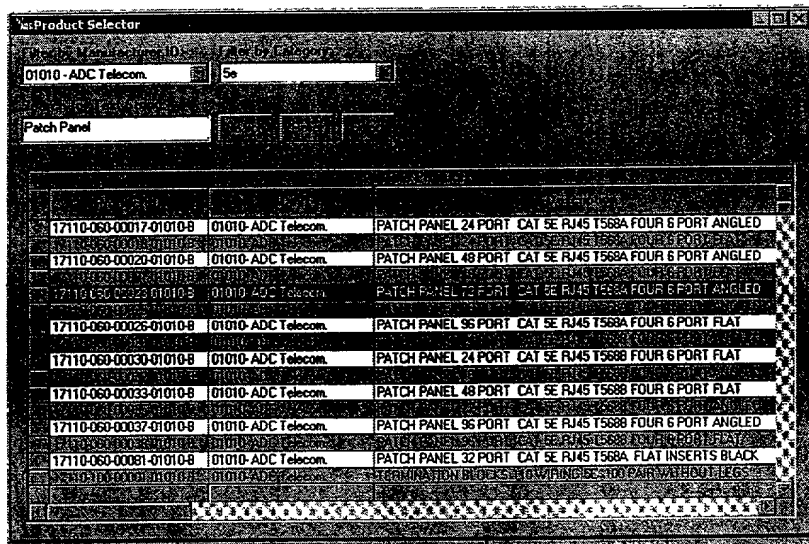


Figure 49. Selecting a Product Using the Product Selector

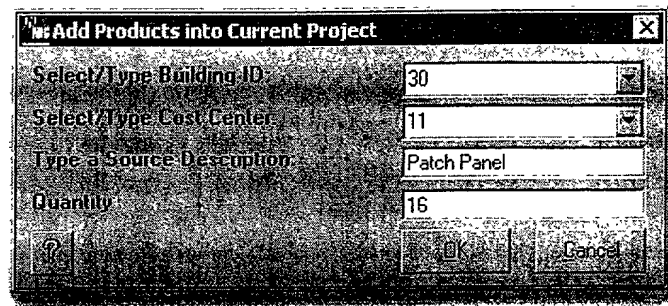


Figure 50. 'Add Products to Current Project' Dialog

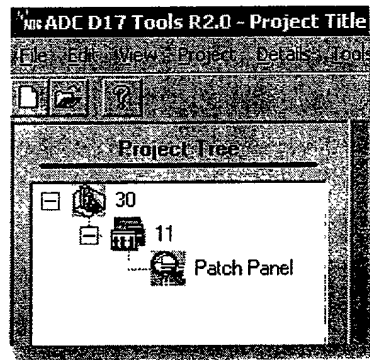


Figure 51. Products Displayed in the Project Tree



**Products in Use**

Filter by Building ID:  Filter by Cost Center:  Filter by Source Description:

Search for Text String:

Product ID	Description	Quantity
17110-020-00004-01010-B	EQUIPMENT RACK FLOOR MOUNT ALUMINUM 19in WIDE 7ft X 3in CHANNEL BLACK	1
17110-040-00010-01010-B	RACK CABLE MANAGER TOP CROSSOVER TROUGH FRONT 2 RACK UNITS	1
17110-060-00017-01010-B	PATCH PANEL 24 PORT CAT 5E RJ45 T568A FOUR 6 PORT ANGLED PANELS	1
17110-240-00009-01010-B	COPPER PATCH CORD CAT 5E RJ45 RJ45 WITH BOOE 3 FOOT BLACK	10

Figure 52. 'Products in Use' Dialog

**Products in Use**

Filter by Building ID:  Filter by Cost Center:  Filter by Source Description:

Search for Text String:

Product ID	Description	Building ID	Quantity
17110-020-00004-01010-B	EQUIPMENT RACK FLOOR MOUNT ALUMINUM 19in	C30	1
17110-040-00010-01010-B	RACK CABLE MANAGER TOP CROSSOVER TROUGH		

Figure 53. Filtering Products

20250527 15:04

Product	Quantity
Description	Quantity
EQUIPMENT RACK MOUNT 5 U MINOR 19" WIDE 7 1/2" H	
MODULAR JACK ANGLED CAT 5E T5E68A ELECTRIC IVORY	15
MODULAR JACK ANGLED CAT 5E T5E68A ELECTRIC GRAY	
EAGERLITE SINGLE GANG 12 PORT 12" H 12" W 12" D	
EAGERLITE SINGLE GANG 12 PORT 12" H 12" W 12" D	

Figure 54. Adjusting Product Quantity

Product	Quantity
Building Detail Report w/ Labor	
Building Summary Report w/ Labor	
Building Detail Report w/o Pricing	
Export Product Data	1
Export Unique ID's	
Export Unique ID's, OLC, MLC	1
Export Product ID's	
CAT 5E T5E68A C30	15

Figure 55. Exporting List

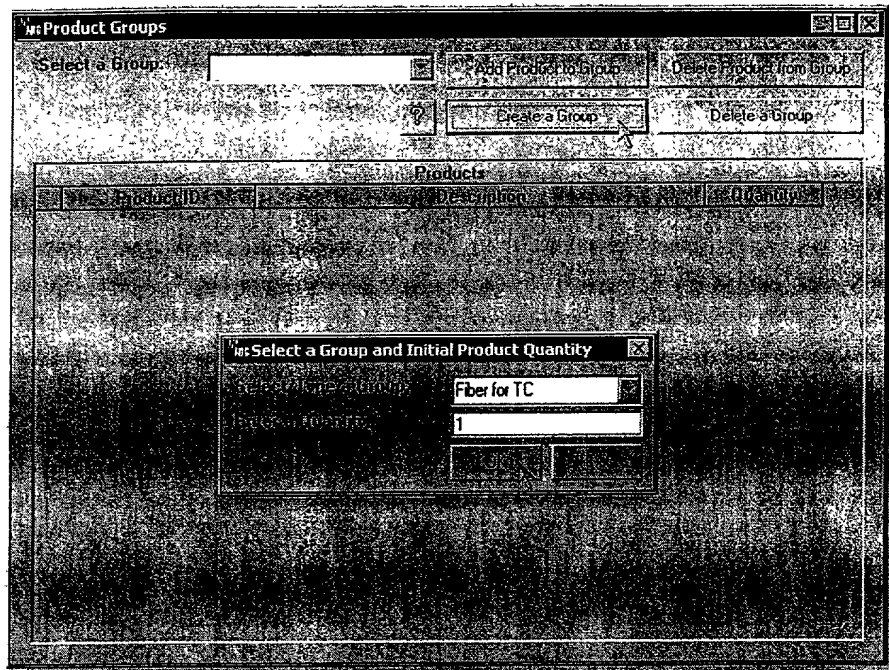


Figure 5. Creating a Group

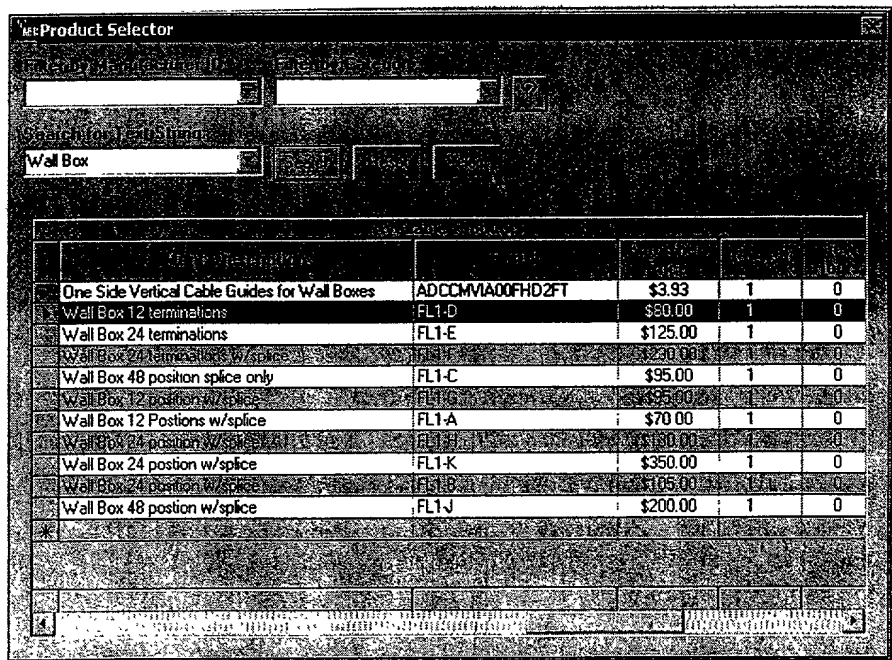


Figure 6. Selecting the Initial Product for New Group

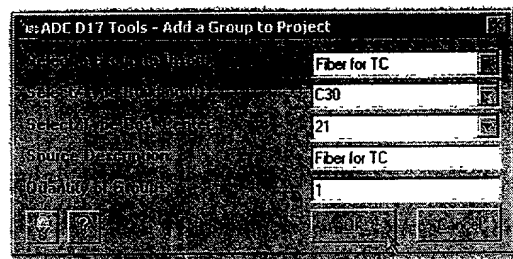


Figure 30. Adding a Group to a Project

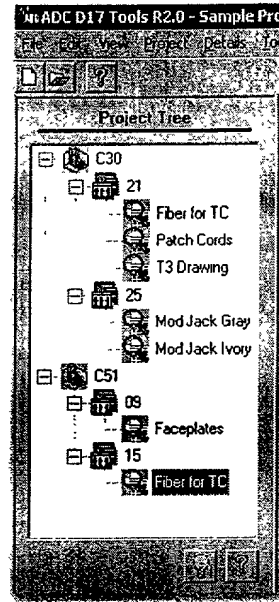


Figure 59. Project Tree

equipped with a 100-watt halogen light fixture and a 100-watt halogen light fixture.

Qty	Description	Hourly Labor Rate	Equipment Rental Rate	Material Cost
1	1 Tech, 1 Installer w/ Tools and Tester	\$90.00	\$10.00	\$10.00
3				

Figure 60. Labor Rates Dialog

Category Discounts

Discount Product Group		
Master Format	Title	Discount Rate %
17110	17110 - Telecommunications Rooms	7
17120	17120 - Telecommunications Pathways	10
17130	17130 - Interior Communications Pathways	0
17150	17150 - Backbone Cabling Requirements	0
17160	17160 - Horizontal Cabling Requirements	0
17170	17170 - Testing, Identification and Administration	0
17180	17180 - Cabling and Termination	0
17190	17190 - Support and Warranty	0

Figure 67. Category Discounts Dialog

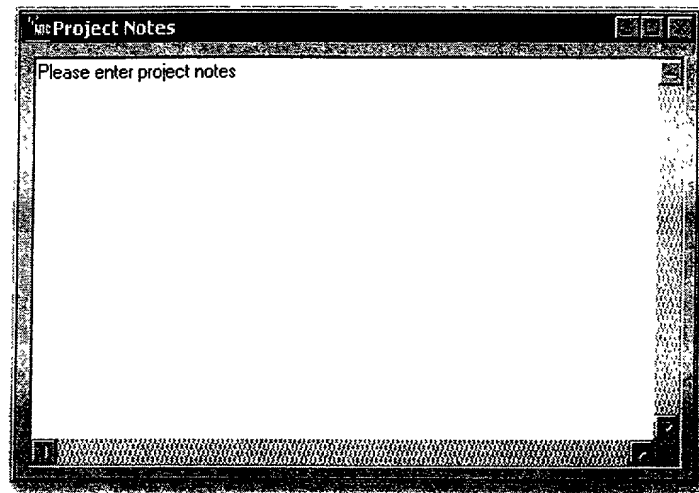


Figure 2. *Project Notes* Window



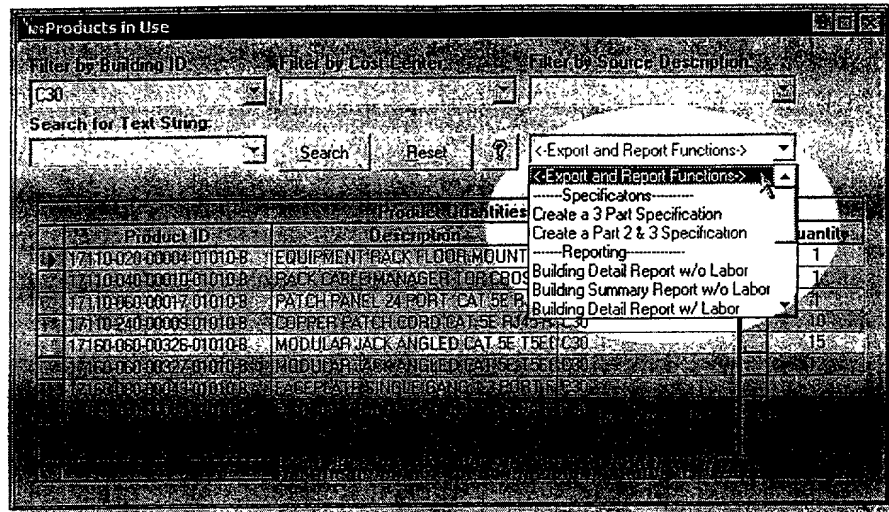


Figure 63. Export and Report Functions Drop-down List

171100200004010108 EQUIPMENT RACK FLOOR MOUNT 1  
171100400001010108 RACK CABLE MANAGER TOP COVER 1  
1711006000017010108 PATCH PANEL 24 PORT CAT 5E RJ 1  
1711002400003010108 COPPER PATCH CORD CAT 5E RJ 10  
1715006000326010108 MODULAR JACK ANGLED CAT 5E T568 C30 15  
1715006000327010108 MODULAR JACK ANGLED CAT 5E T568 C30  
1715006000328010108 FACEPLATE SINGLE GANG 2 PORT 1/2"

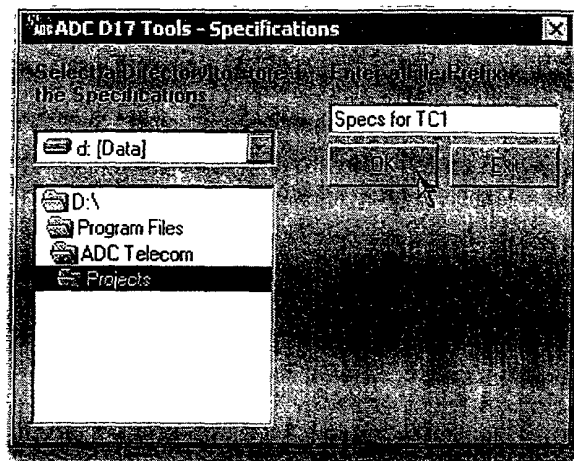


Figure 4. Specifying a File Prefix

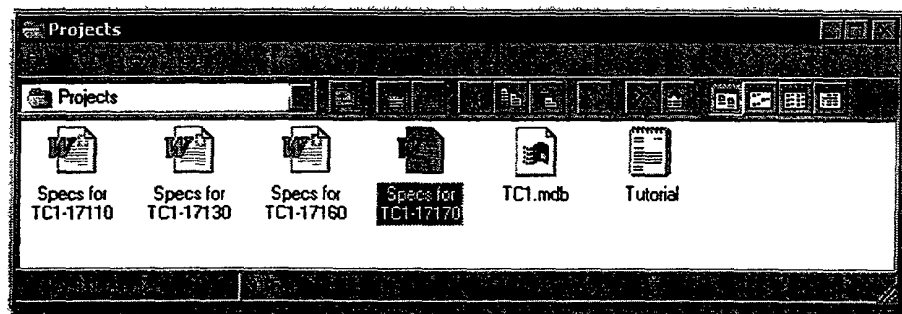
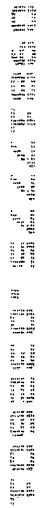


Figure 5. Specifications by D17 Category as Viewed within the 'Projects' Folder



- [illegible]

[illegible]

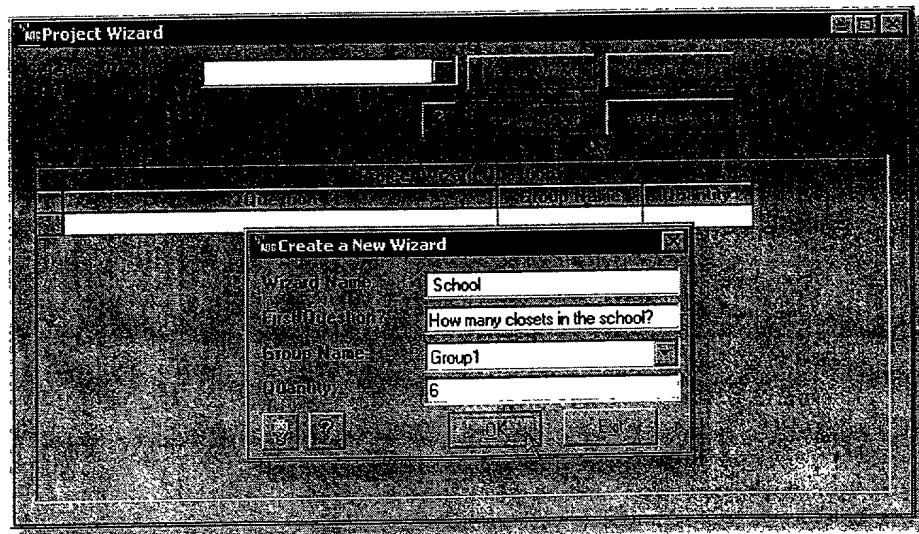


Figure 68. Creating a Wizard

**Add a Question to a Wizard** [X]

Wizard Name	School	<input checked="" type="checkbox"/>
Question	How many racks per closet?	
Group Name	Group2	<input checked="" type="checkbox"/>
Quantity	4	

[OK] [Cancel] [Help]

Figure 169 Adding a Question to a Wizard

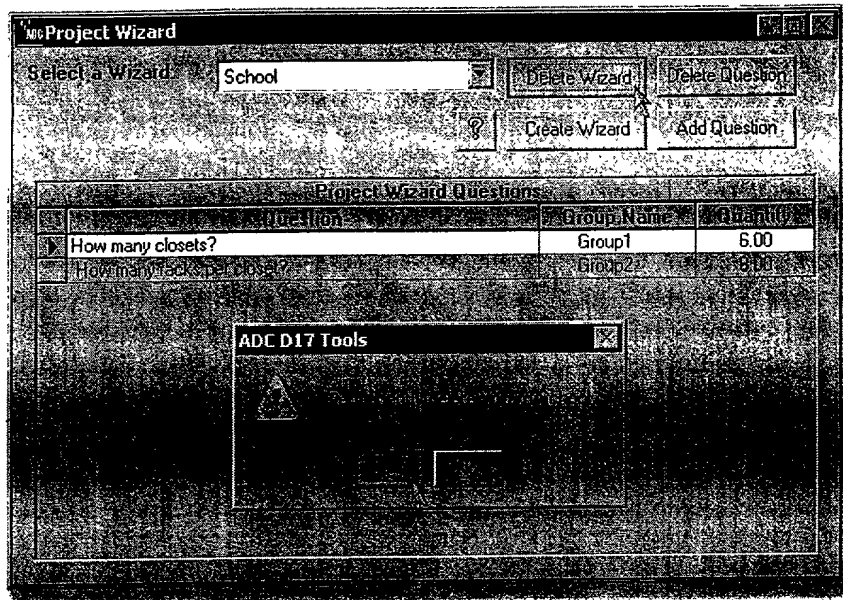


Figure 70 Deleting a Wizard

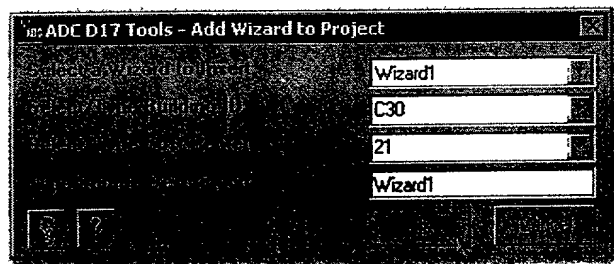
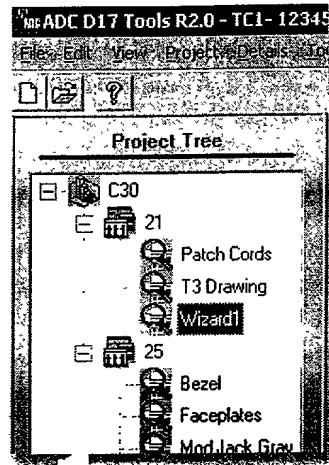


Figure 71 Add Wizard to Project Dialog



**Figure 72. Project Tree with Wizard**